

# **Establishing The High-precision Regional Ionosphere Model By GPS**

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The accuracy of GPS signal would have been severally damaged after penetrating through the ionosphere, making the precise workout of ionosphere error become a very troublesome problem. So far, there exist a variety of the computation methods of ionosphere model, such as IRI model, Klobuchar model and so forth; nevertheless, due to the complex alterations of ionosphere, it is immensely necessary to form high-precision estimations of the ionosphere error. An exploration of a number of methods for establishing the regional ionosphere model through the utilization of GPS technology is presented in this paper.